

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: W<sup>T</sup> & LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPECTED GAS SUB. REPORT/abd.

\* Well never drilled - Location Abandoned - 9-29-83

DATE FILED 4-2-82

LAND: FEE &amp; PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

U-44090

INDIAN

DRILLING APPROVED: 4-19-82

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

5101' G.P.

DATE ABANDONED:

9-29-83 LA

FIELD: ~~WILDCAT~~ 3/86 Undesignated

UNIT:

COUNTY: UINTAH

WELL NO.

LOVE FEDERAL #1-4

API NO. 43-047-31207

LOCATION

660

FT. FROM (A) (S) LINE.

3300

FT. FROM (E) (W) LINE

SE SW

1/4 - 1/4 SEC 4

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

11S

20E

4

COTTON PETROLEUM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Cotton Petroleum Corporation

## 3. ADDRESS OF OPERATOR

717 17th Street, Suite 2200, Denver, Colorado 80202

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At surface

660' FSL &amp; 3300' FEL Section 4

At proposed prod. zone

SESW

## 5. LEASE DESIGNATION AND SERIAL NO.

U-44090

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

## 7. UNIT AGREEMENT NAME

NA

## 8. FARM OR LEASE NAME

Love Federal

## 9. WELL NO.

1-4

## 10. FIELD AND POOL, OR WILDCAT

Undesignated

Wildcat

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Section 4-T11S-R20E

## 12. COUNTY OR PARISH

Uintah

## 13. STATE

Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

## 16. NO. OF ACRES IN LEASE

1243.11

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

640

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 19. PROPOSED DEPTH

6700' Mesaverde Rotary

## 20. ROTARY OR CABLE TOOLS

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5101' GR

## 22. APPROX. DATE WORK WILL START\*

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	200'	Circ to surface
11"	8-5/8"	24# + 32#	3000'	Circ to surface
7-7/8"	4-1/2"	11.6#	6700'	2000 sx in two stages

Drill 6700' Mesaverde test. Drill 17-1/2" surface hole to 200' with native brine water to clean hole, set 13-3/8" casing and cement to surface. Wait on cement 12 hours. Pressure test casing and BOP to 70% of casing yield (1211 psi) before drilling out, test BOP operation daily and record. Drill 7-7/8" hole to 6700'. If a strong water flow or loss circulation zone is encountered above 3000', ream hole to 11" and set 8-5/8" casing to 3000'. If water flows or loss circulation zones are not encountered, drill ahead with 7-7/8" bit, using brine water to 3700', and a polymer brine from 3700' to 6700'. Mud weight will be 9.0 to 9.4 ppg. Evaluate well by sample analysis and electric logs. Run 4-1/2" casing if a commercial well is expected. Cement in two stages, if the 8-5/8" intermediate casing is not set, with a DV tool set @  $\pm$  3842', with adequate cement to cover the Green River oil shales.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

DE Wood / x J

TITLE

Division Production Manager

DATE

4-2-82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 4/14/82

BY: [Signature]

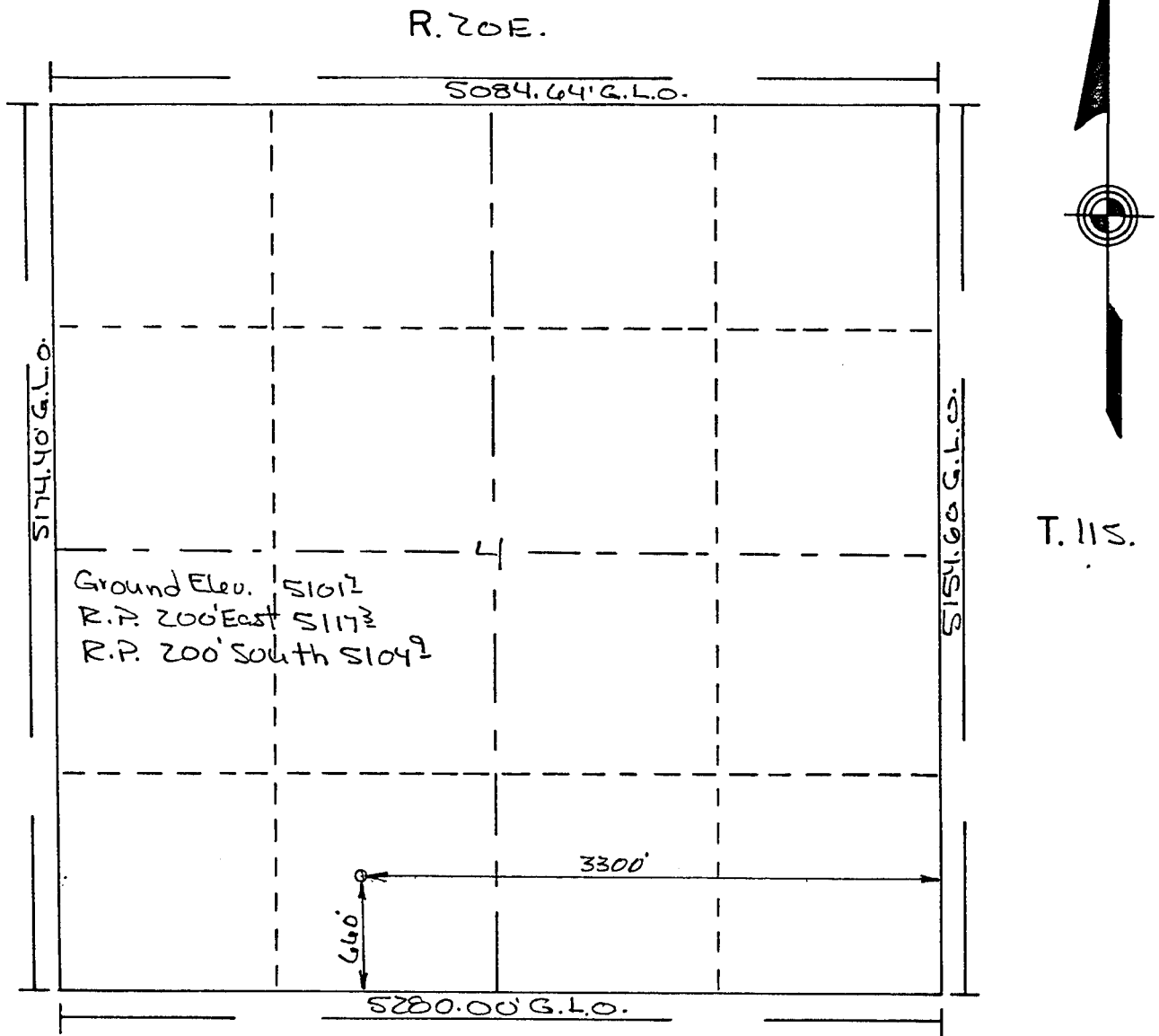
APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



FORM F-106



Scale... 1" = 1000'

**Powers Elevation of Denver, Colorado**

has in accordance with a request from Teri Greenhalgh  
for Cotton Petroleum  
determined the location of Love Federal 1-4  
to be 660' FSL & 3300' FEL Section 4 Township 11 South  
Range 20 East of the Salt Lake Meridian  
Uintah County, Utah

I hereby certify that this plat is an  
accurate representation of a correct  
survey showing the location of  
Love Federal 1-4

Date: Oct. 16, 1981

Licensed Land Surveyor No. 5443  
State of UTAH

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**Cotton Petroleum Corporation**A United Energy Resources, Inc. Company

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717-17th Street Energy Center One—Suite 2200, Denver, Colorado 80202 (303) 893-2233

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February 9, 1982

U.S.G.S.  
1745 W. 1700 St., Suite 2000  
Salt Lake City, Utah 84104

Re: Love Federal 1-4  
Section 4-T11S-R20E  
Uintah County, Utah  
NTL-6 Information for APD

Dear Sir:

1. Surface Formation - Tertiary/Uintah
2. Estimated Tops:

Green River surface	
Wasatch	(+1275) 3842'
Mesaverde	6320'
TD	6700'
3. Estimated Depth of Fluids or Hydrocarbons:
  - a. Surface waters: above 2500'
  - b. Wasatch: gas & condensate
  - c. Mesaverde: gas & condensate
4. Surface Casing: Approximately 200' of 13-3/8" H40, 48#, new, cement circulated to surface.

Intermediate Casing: (only if a strong water flow or loss circulation is encountered), approximately 3000' of 8-5/8", K-55, 32# & 24#, new, cement circulated to surface.

Long String of Casing: 4-1/2", 11.6#, N-80, new, cemented with 2000 sxs Poz Mix cement, in two stages (if intermediate string is not set) with thinner/retarder, fluid lost circulation additives. DV tool will be set at ± 3842' with adequate cement to cover the Green River Oil Shales.
5. Wellhead Equipment (See Attachment #1)
  - a. 3000# W.P., 6000# test series, 900 casing head and double ram blow-out preventer.
  - b. Nominal 10" casing head and blow-out preventer with 10" flanges.
  - c. See Attachment #1 for 2" fill-up flare line hookup.
  - d. Pressure test wellhead, blow-out preventer, and surface casing to 1211 psig for 30 minutes with maximum 100 psig loss of pressure prior to drilling out from under surface casing.

- e. Test operate pipe rams once each twenty-four hours and both pipe rams and blind rams each trip out of hole, and record on driller's tour report.

6. Drilling Fluid:

- a. Surface Hole: Native brine water, wt 8.5 - 8.6, Vis 30-35
- b. Under Surface to 2500': Brine water, wt 9.0 - 9.5, Vis 32-38
- c. 2500' - 6200': Brine water as in "b" above  
6200' - 6700': Brine water with additives to obtain the following properties, wt 9.0 - 9.4, Vis 32-38, Sl 5-15 cc.
- d. 400 barrel steel surface pits.
- e. No formation gradient higher than 0.45 psi per foot is expected.

7. Auxiliary Equipment:

At top of Wasatch, the following equipment will be installed:

- a. Rotating Head
- b. Stabbing Sub and Full Opening Valve on the Floor
- c. Upper Kelly Cock

8. Testing and Logging:

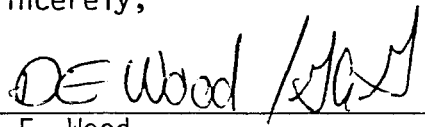
All potential reservoirs listed in "3" above will have drill cuttings and mud examined by a wellsite geologist for shows of oil and gas. An electric logging program of GR-DLL, GR-FDC-CNL, GR-Sonic surface casing to TD will be run for depth control of all formations, porosity, and saturation determinations. Completion attempt will be made in the Wasatch with a fracture stimulation consisting of 120,000 gallons Foam and 220,000 lbs 20/40 sand.

9. Pressure and Temperatures:

No abnormal pressures or temperatures have been encountered in nearby wells. No hydrogen sulfide has been found in daily mud checks or produced fluids.

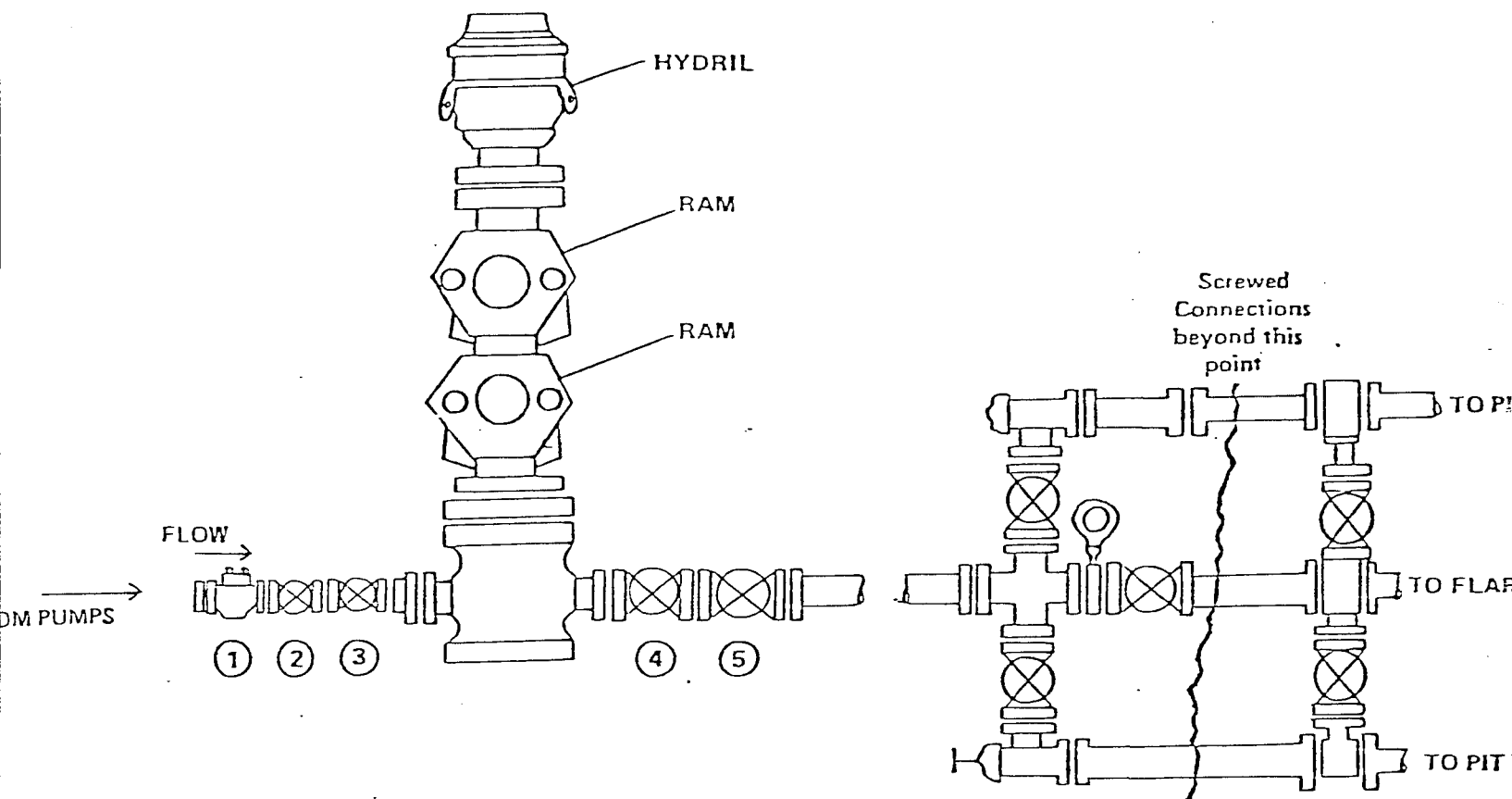
- 10. The well will be started on June 1, 1982, and will require six weeks for drilling plus required time for evaluation of potential reservoirs (testing, logging) and any difficulties encountered by the drilling rig.

Sincerely,

  
\_\_\_\_\_  
D.E. Wood  
Division Production Manager

COTTON PETROLEUM CORPORATION

# BOP Requirements



## KILL LINE

- Valve #1 — Flanged check valve.  
Full working pressure  
of BOP
- Valves #2 & 3 — Flanged, minimum 2" bore  
Full working pressure of BOP

## CHOKE LINE

- Valve #4 & 5 — Flanged minimum 2" bore full  
working pressure of BOP  
(Note: An HCR can be used  
instead of Valve #5)

## GENERAL RULES AND RECOMMENDATIONS

1. Test Rams to full working pressure, Hydril to 50% of working pressure.
2. All lines to manifold are to be at right angles (90°). No 45° angles are to be used. Blind flanges are to be used for blanking.
3. ALL studs and nuts are to be installed on all flanges.
4. Choke manifold may be screwed connections behind chokes.

LOVE FEDERAL 1-4  
MULTI-POINT REQUIREMENTS  
13 POINT PLAN

1. Existing Roads:

- a. The location of the proposed well site is shown on Attachment 2. The details of the staked location are shown on Attachment 5.
- b. The route to the proposed location is shown in red on Attachment 2, with a written description on Attachment 3.
- c. The access road is highlighted in red on Attachment 2.
- d. This is a development well, therefore, "d" is not applicable.
- e. This is a development well, therefore, to the best of our knowledge, all existing roads within a 1 mile radius of the well site are shown on Attachment 2.
- f. The existing roads are graded and capable of full load capacity, and will not require any additional preparation for drilling operations. Road maintenance (grading) will be performed as required.

2. Planned access roads:

- a. The proposed access road to the well location will be centerline flagged, approximately 3½ mi. in length, single lane, and 16' in width.
- b. Maximum grade will be less than 10%.
- c. 18 turnouts will be constructed on the access road with less than 1000' between turnouts, shown on Attachment 2.
- d. A drainage ditch will be constructed on the uphill side with 4:1 slope; with diversions away from the road or as required on the downhill side, where the slope exceeds 2%.
- e. No culverts will be needed.
- f. All surface material will be local soil and rock.
- g. Gates, cattleguards, and fence cuts are not required.

3. Location of Existing Wells:

Attachment 4 shows the location and type of wells located within 1 mile of proposed location.

4. Location of Existing and/or Proposed Facilities:

- a. There are not any batteries, production facilities, oil or gas gathering lines, injection lines or disposal lines owned or controlled by the lessee/operator within 1 mile of this proposed location.
- b. The proposed facilities for this proposed well consist of two (2) 400 bbl tanks, and a production unit with meter run, as shown on Attachment 5.
- c. The disturbed areas, no longer needed for operations after construction is completed, will be rehabilitated consistent with BLM requirements.

5. Location and Type of Water Supply:

- a. Water for drilling this proposed well, will be supplied by a private water well in the town of Ouray.
- b. The water will be hauled to location by truck, over the access roads shown on Attachment 2.

6. Source of Construction Materials:

All roads or location material will be found on location, which is on BLM land.

7. Methods for Handling Waste Disposal:

- a. Well cuttings will be disposed in the reserve pit.
- b. Drilling fluids will be contained in the reserve pit, and allowed to dry, if the pit has not dried out in 6 months, the remaining fluid will be trucked away.
- c. Produced water will be disposed of in accordance with the NTL-2B regulations.
- d. Sewage will be collected in sanitary toilet facilities, with human wastes being buried in a pit with a minimum coverage of 4'.
- e. Garbage and other waste material will be collected in metal trash bins and hauled away to an approved landfill.
- f. If the well is productive, maintenance waste will be collected in trash cans and hauled away periodically. The well site will be properly cleaned up after the drilling rig has moved out.

8. Ancillary Facilities:

Temporary living trailers will be located on the north edge of the well pad. This will include trailers for the rig tool pusher, consulting engineer, and the mud logging trailer.



9. Well Site Layout:

- a. Attachment 6 shows the cross section of the drill pad showing cuts and fills. The mat size is 180' x 300'.
- b. Attachment 5 shows the proposed locations of the reserve and burn pits, and soil stockpiles. Also shown is the approximate proposed locations for the mud tanks, pipe racks and trash bins. Reserve pit is 100' x 50' joining pad on the south.
- c. The rig orientation, parking areas and access road is also shown on Attachment 5.
- d. The pits will be unlined, unless required by the U.S.G.S.

10. Restoration of Surface:

- a. The pits will be back filled and re-contoured as soon as drying permits. All waste that was not previously disposed of, will be removed. Liquid waste will be trucked away.
- b. The surface will be rehabilitated and re-vegetated according to BLM regulations.
- c. The mud pit will be fenced on 3 sides during operations, and on the 4th side after the rig is released. All other pits will be fenced with small mesh wire on 4 sides.
- d. Overhead flagging will be installed on the mud pit if the pit gets covered with oil.
- e. Rehabilitation operations will start after production is established, or the well is P & A'd, and will be completed within six months.

11. Other Information:

- a. Topography - Land is gently sloping to the north as shown by the topographic map in Attachment.
- b. Soil - The soil is very shallow, rocky top soil.
- c. Vegetation - The vegetation is generally sparse and consists primarily of native grasses. Wildlife in the area is that typical of semi-arid land, which includes coyotes, rabbits, rodents, reptiles, and quail. The area will be reseeded after drilling is completed.
- d. Ponds and Streams - A dry wash and Hill Creek are located near the location.
- e. Residences and Other Structures - There are no buildings of any type within a radius of 2 miles of the proposed well.
- f. Surface Use - Grazing and Hunting.

- g. Effect On Environment- Drillsite is located in a low environmental risk area. A total effect in drilling and producing this and other wells in this area would be minimal.
- h. Surface Ownership - The proposed drillsite is on BLM controlled Federal surface. All proposed roads are on BLM controlled Federal surface.
- i. Open Pits - All pits containing mud of other liquids will be fenced. Reserve pits will fenced on 3 sides during the drilling and the 4th side afterwards.
- j. Well Signs - Signs identifying and locating the well will be maintained at drillsite commencing with the spudding of the well.

12. Operator's Representatives:

Field personnel who can be contacted concerning compliance with the Multi-Point Requirements, 13 Point Plan are as follows:

Dusty Meacham Vernal, Utah	Home Phone: 801-789-0489 Office Phone: 801-789-4728	Answering Service 801-789-5000
D.E. Wood Denver, Colorado	Home Phone: 303-773-2722 Office Phone: 303-893-2233	
Glenn Garvey Denver, Colorado	Home Phone: 303-979-3714 Office Phone: 303-893-2233	

13. Certification:

I hereby certify that I, or persons under by direct supervision, have inspected the drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Cotton Petroleum Corporation, and subcontractors in conformity with this plan and the terms and conditons under which it is approved.

DE Wood / JWS

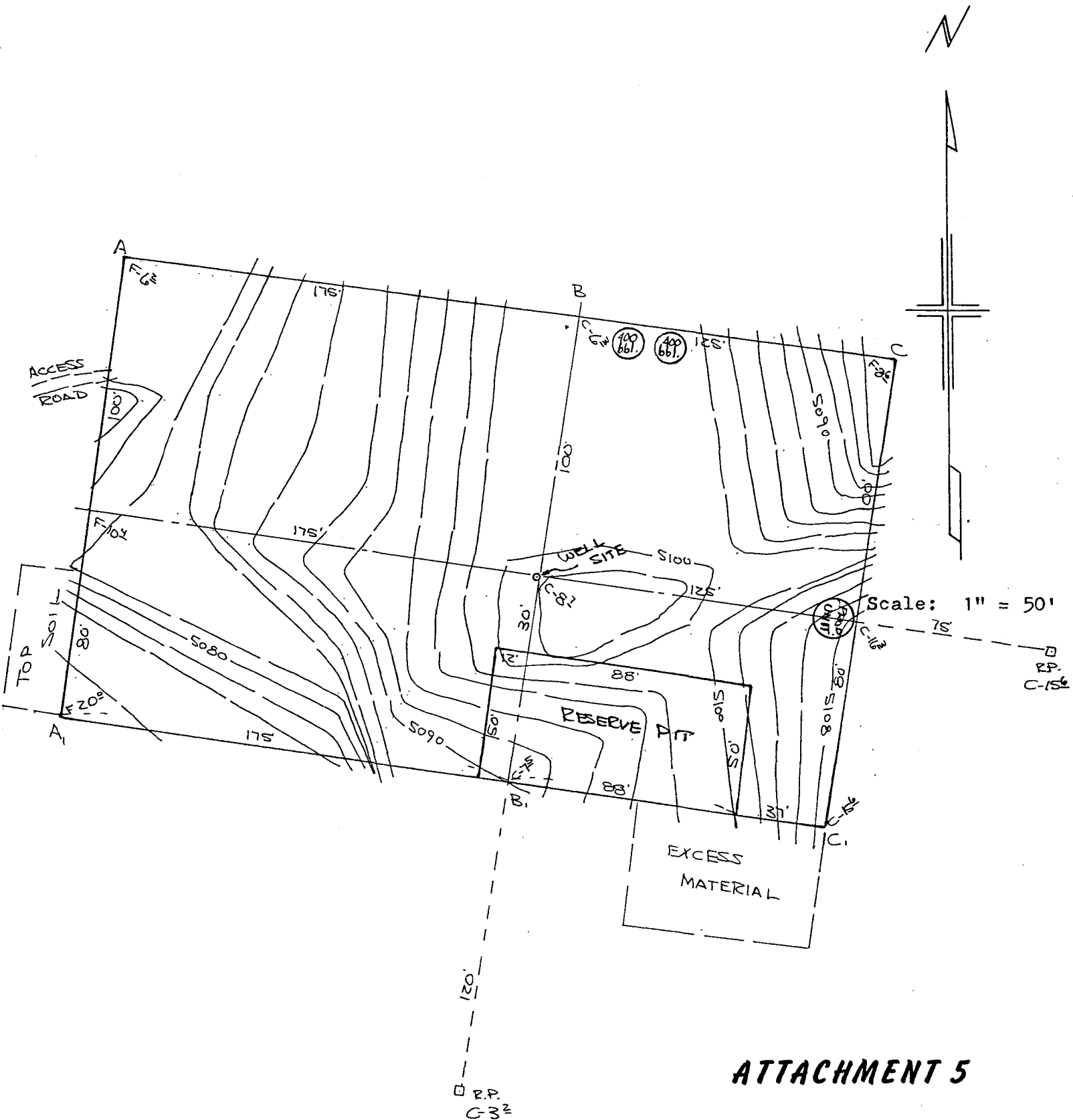
D.E. Wood  
Division Production Manager

COTTON PETROLEUM CORPORATION

### ATTACHMENT 3

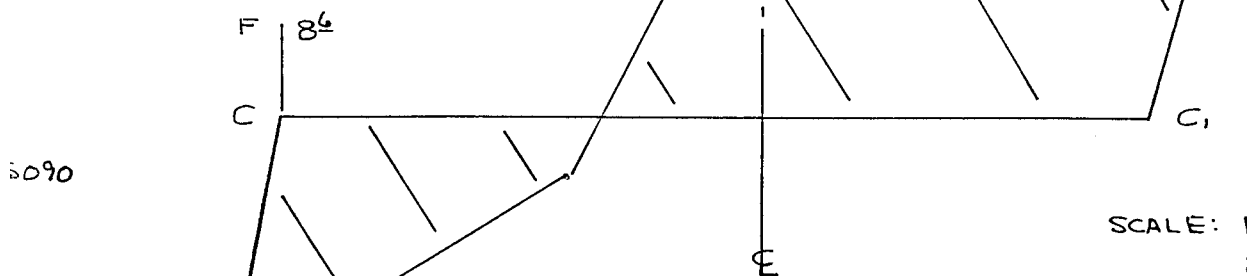
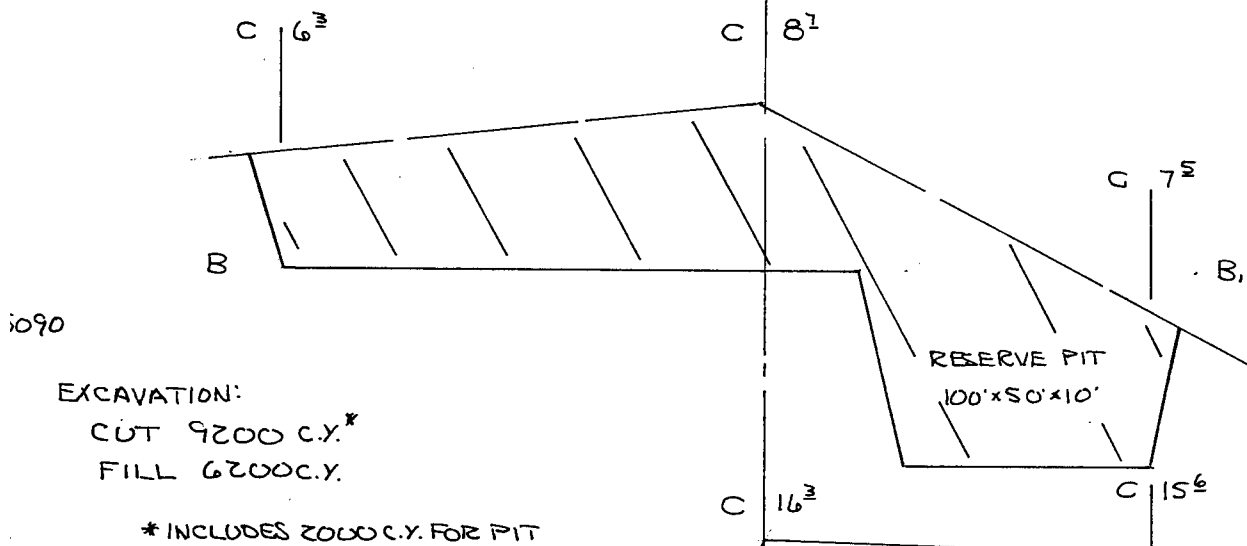
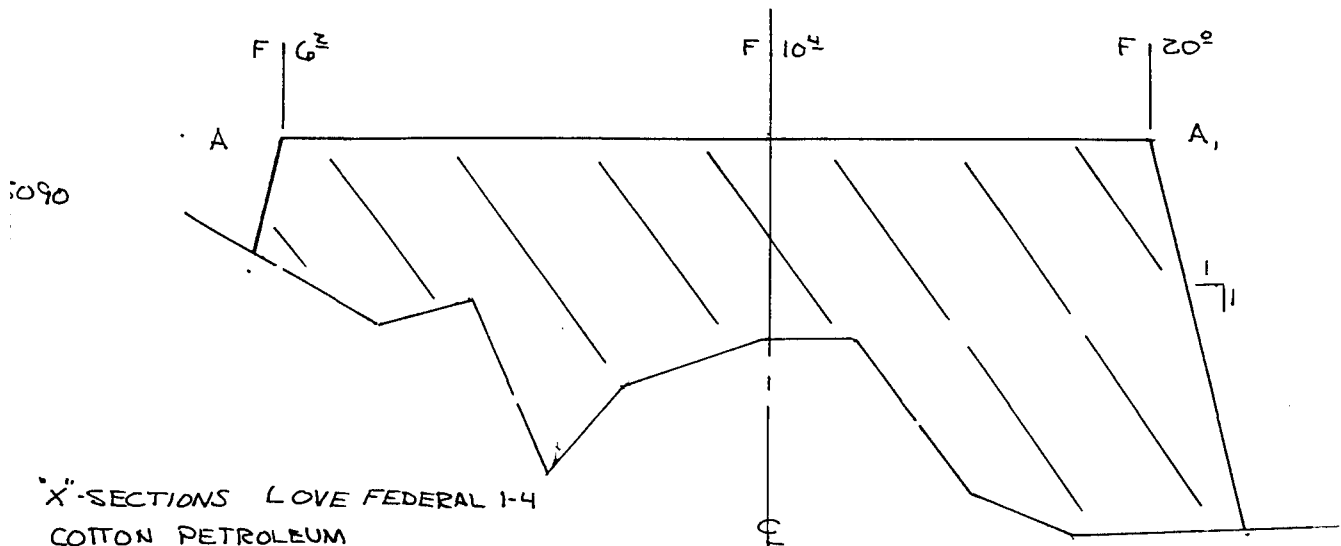
From the town of Ouray, proceed south on paved road a distance of 8.5 miles to a junction. Take the right branch of the junction and continue south 1.3 miles to a junction, turn left and continue on this road approximately 4 miles to the Hill Federal 1-10 well location. Approximately 1000' from the location, turn south and follow jeep trail approximately  $1\frac{1}{2}$  miles. Follow flagging west and then north 2 miles to proposed well location.

TOPOGRAPHIC MAP  
CONTOUR INT. = 2'



**ATTACHMENT 5**

by: \_\_\_\_\_  
Powers Elevation Company, Inc.  
COTTON PETROLEUM  
LOVE FEDERAL 1-4



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

OIL &amp; GAS OPERATIONS

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Cotton Petroleum Corporation

## 3. ADDRESS OF OPERATOR

717 17th Street, Suite 2200, Denver, Colorado 80202

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At surface

660' FSL &amp; 3300' FEL Section 4

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

## 16. NO. OF ACRES IN LEASE

1243.11

## 17. NO. OF ACRES ASSIGNED

TO THIS WELL

640

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 19. PROPOSED DEPTH

6700'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5101' GR

## 22. APPROX. DATE WORK WILL START\*

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	200'	Circ to surface
11"	8-5/8"	24# + 32#	3000'	Circ to surface
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Drill 6700' Mesaverde test. Drill 17-1/2" surface hole to 200' with native brine water to clean hole, set 13-3/8" casing and cement to surface. Wait on cement 12 hours. Pressure test casing and BOP to 70% of casing yield (1211 psi) before drilling out, test BOP operation daily and record. Drill 7-7/8" hole to 6700'. If a strong water flow or loss circulation zone is encountered above 3000', ream hole to 11" and set 8-5/8" casing to 3000'. If water flows or loss circulation zones are not encountered, drill ahead with 7-7/8" bit, using brine water to 3700', and a polymer brine from 3700' to 6700'. Mud weight will be 9.0 to 9.4 ppg. Evaluate well by sample analysis and electric logs. Run 4-1/2" casing if a commercial well is expected. Cement in two stages, if the 8-5/8" intermediate casing is not set, with a DV tool set @ + 3842', with adequate cement to cover the Green River oil shales.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

*DE Wood / AGJ*

TITLE

Division Production Manager

DATE

4-2-82

(This space for Federal or State office use)

PERMIT NO.

FOR

APPROVAL DATE  
E. W. GUYNN

DISTRICT OIL &amp; GAS SUPERVISOR

APPROVED BY

*W. J. Martin*

TITLE

DATE

NOV 12 1982

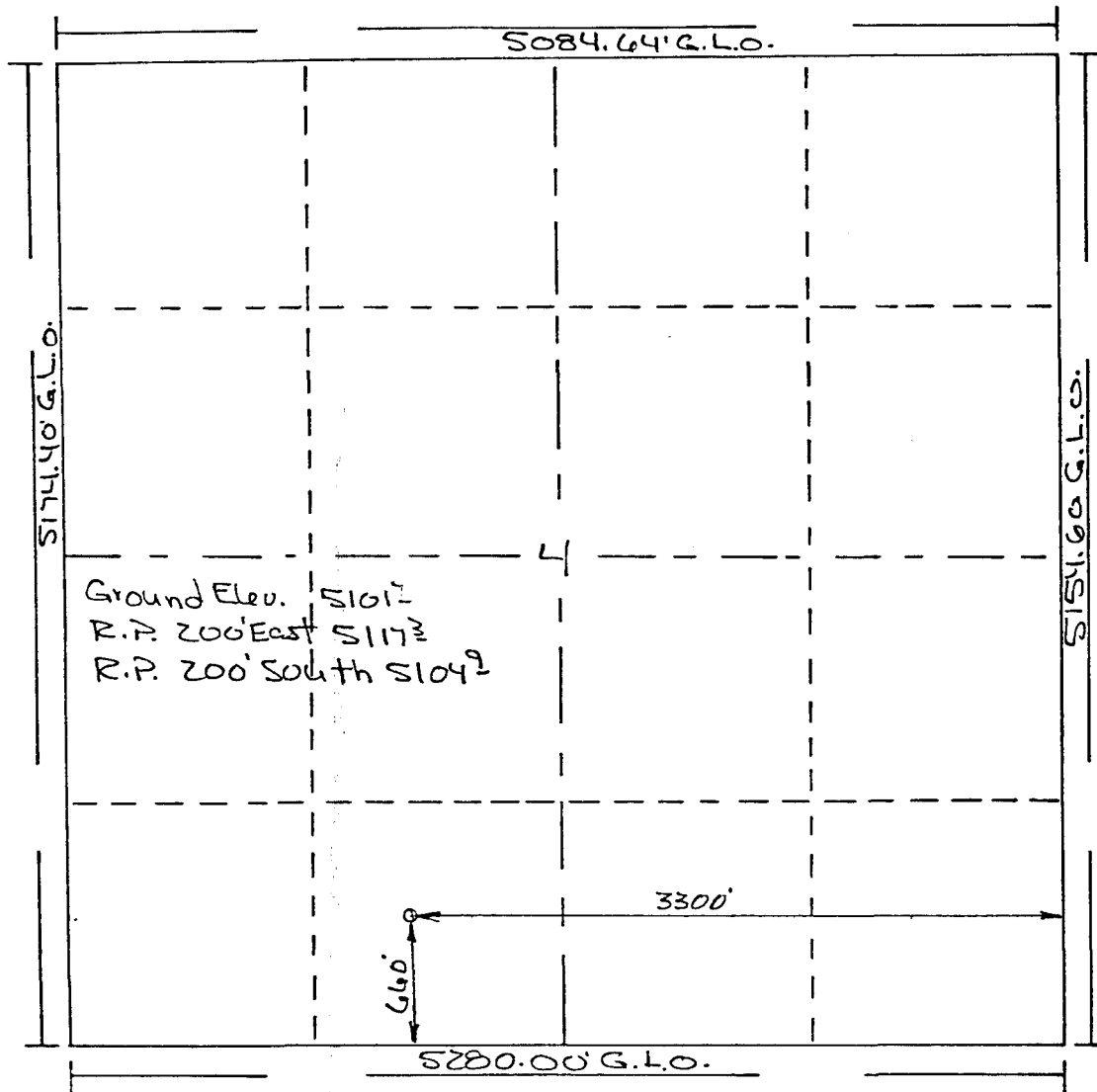
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPYFLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80



R. 20 E.



Scale... 1" = 1000'

**Powers Elevation of Denver, Colorado**

has in accordance with a request from Teri Greenhalgh  
 for Cotton Petroleum  
 determined the location of Love Federal 1-4  
 to be 660' FSL & 3300' FEL Section 4 Township 11 South  
 Range 20 East of the Salt Lake Meridian  
 Uintah County, Utah

I hereby certify that this plat is an  
 accurate representation of a correct  
 survey showing the location of  
 Love Federal 1-4

Date: Oct. 16, 1981

Licensed Land Surveyor No. 5443  
 State of UTAH

Cotton Petroleum Corporation  
Well No. 1-4  
Section 4, T11S, R20E  
Uintah County, Utah  
Lease U-44090

Supplemental Stipulations:

1. Traveling off access road right-of-ways will not be allowed. The maximum width of access pads (both existing and planned) will be 30 feet total disturbed area. Roads will be crowned and properly maintained.
2. No topsoil will be stockpiled due to lack of same; however, the pad and access road will be ripped to a minimum depth of 12 inches upon abandonment.
3. Burn pits will not be constructed. There will be no burning or burying of garbage or trash at the well site. Refuse must be contained in trash cages and hauled to an approved disposal site.
4. A wire mesh or net type of fence topped with at least one strand of barbed wire will be used around the reserve pits.
5. The pad was rotated 180 degrees.
6. 5 miles of new access will be built to serve other proposed locations. No access will enter from the west across Hill Creek.
7. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding or restoration requirements.
8. Reserve pits will be put in fill material and lined with plastic to insure pit integrity.
9. Trees and brush will be pushed off the road and pad prior to any mineral soil being bladed.
10. All production facilities shall be painted with a flat non-reflective earth tone color.
11. Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons in the Mahogany zone of the Green River formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale resource. Surface casing program may require adjustment for protection of fresh water aquifers.



\*\* FILE NOTATIONS \*\*

DATE: 4-7-82  
OPERATOR: Cotton Petroleum Corp.  
WELL NO: Love Federal 1-4  
Location: Sec. 4 T. 11S R. 20E County: Wintek

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-047-31207

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_

Director: OK per rule C-3(c)

Administrative Aide: has per Rule C-3 needs to move well to W.

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. \_\_\_\_\_

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation ☒

Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☐

P.I. ☐

**Cotton Petroleum Corporation**  
A United Energy Resources, Inc. Company

717 17th Street/Energy Center One/Suite 2200/Denver, Colorado 80202



**RECEIVED**  
APR 14 1982

April 12, 1982

Division of Oil, Gas and Mining  
4241 State Office Bldg  
Salt Lake City, Utah 84114

**DIVISION OF  
OIL, GAS & MINING**

Re: Love Federal 1-4  
SE $\frac{1}{4}$ SW $\frac{1}{4}$  Section 4  
T11S-R20E SLB&M  
Uintah County, Utah  
Exception Location


Dear Gentlemen:

Cotton Petroleum has previously submitted a drilling permit for the above referenced well. This well is located in an unspaced area, therefore, the state wide space rules apply. The Love Federal 1-4 is located within the 4960 foot radius of the Lafkas Federal 1-3 well, located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$  Section 3-T11S-R20E SLB&M. Cotton requests the granting of an exception location for the Love Federal 1-4 well, due to topographical problems. The attached map is a USGS topo map of the area with the nearby producing wells shown, and showing the 4960 radius from each well. The legal locations in the NE $\frac{1}{4}$ NW $\frac{1}{4}$  and the NW $\frac{1}{4}$  and SW $\frac{1}{4}$  of the SW $\frac{1}{4}$  are unacceptable due to the well being located in the Hill Creek flood plain. The remaining two legal locations in the NW $\frac{1}{4}$  and SW $\frac{1}{4}$  of the NW $\frac{1}{4}$  are unacceptable due to rapid change in ground elevation, which would require very extensive dirt work to build a workable well location. The best location is the staked location in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ . This location will minimize the environmental disturbance, and is far enough away from Hill Creek to greatly reduce any chance of water contamination.

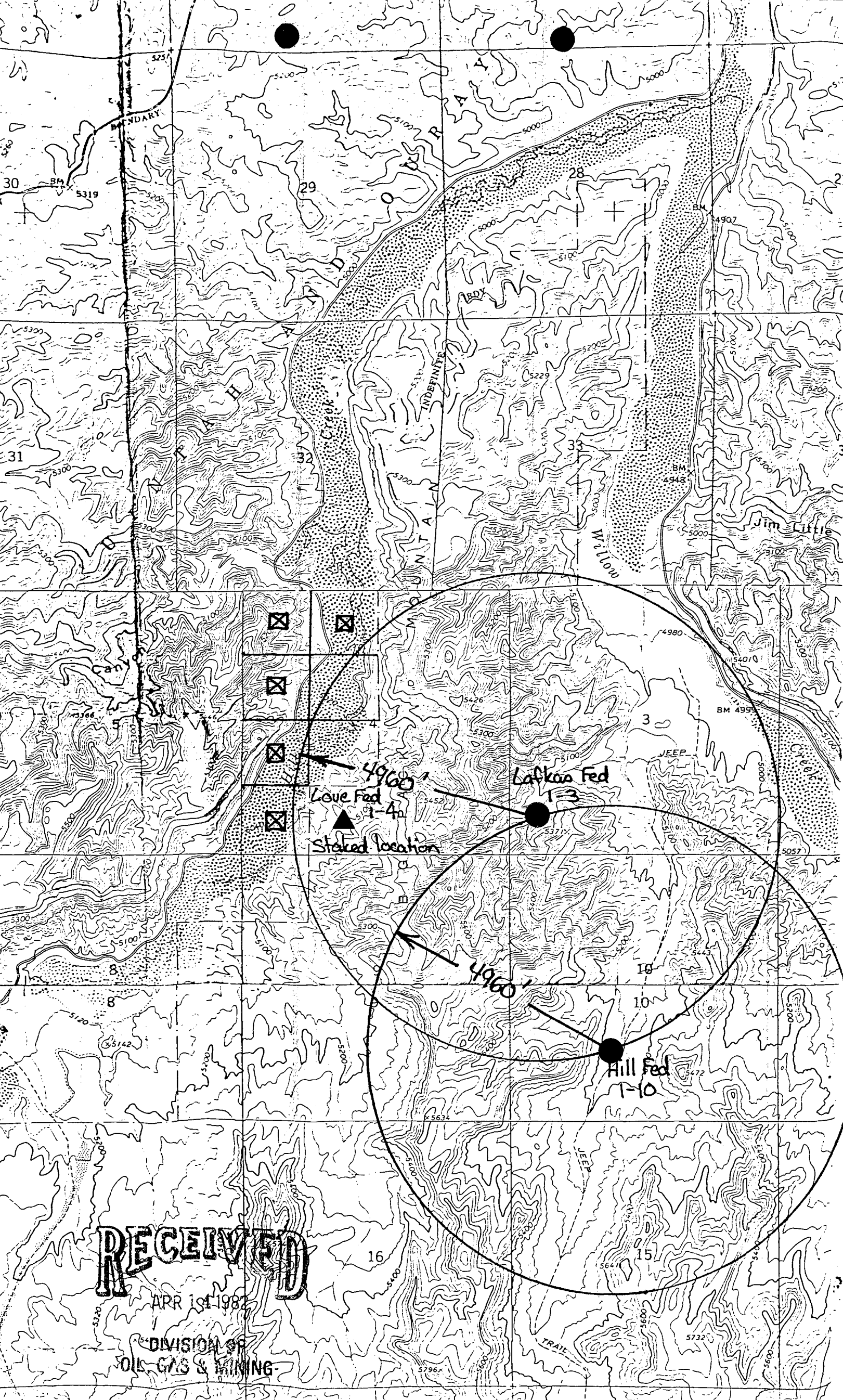
The Lesse of record of the drill site, and the surrounding tracts within 660' is Santa Fe Energy. Cotton has earned a 50% interest in the Santa Fe lease, which has not yet been recorded.

If you require any additional information, please contact Glenn Garvey at 1-800-525-3035.

Sincerely,

  
D.E. Wood  
Division Production Manager

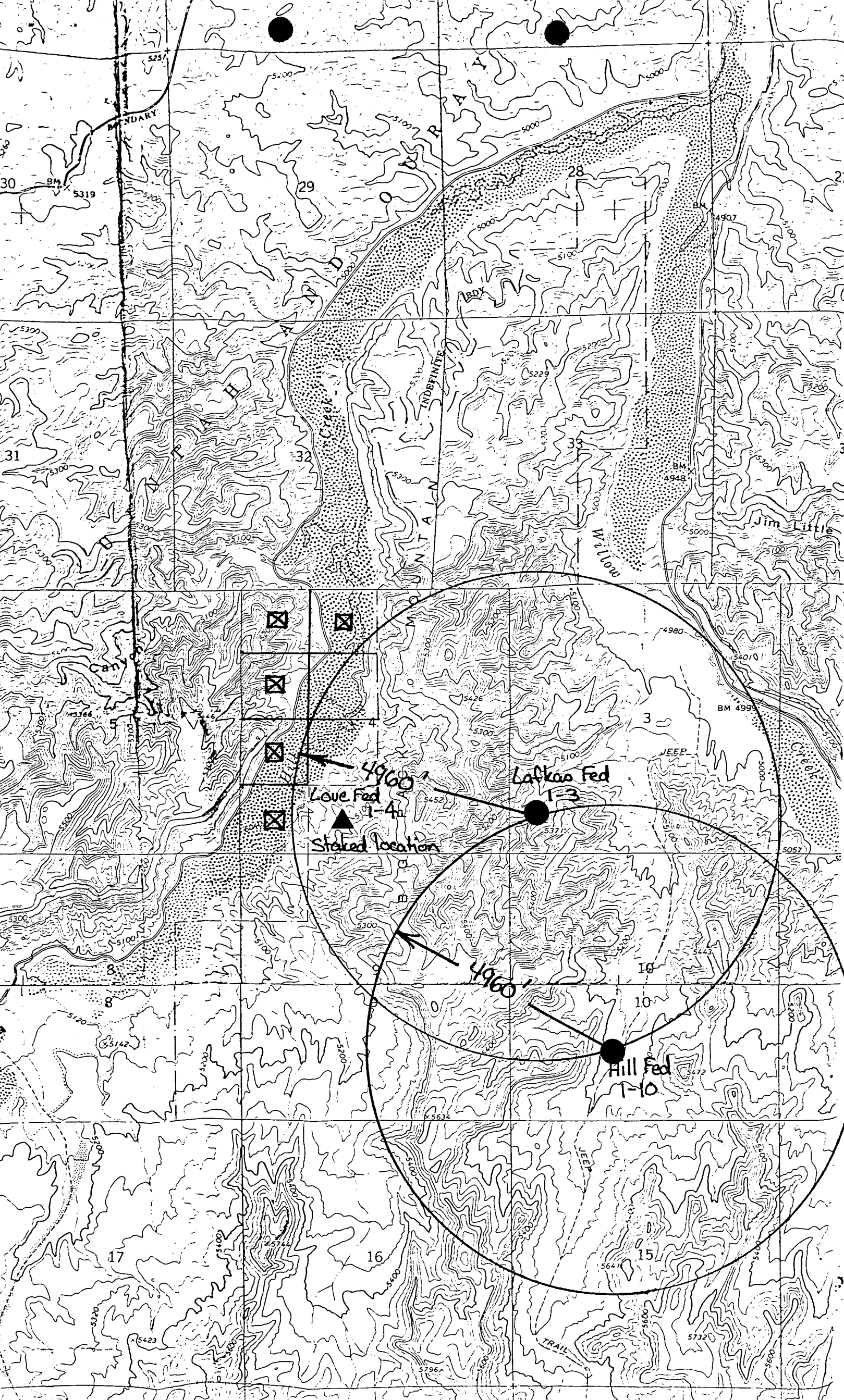
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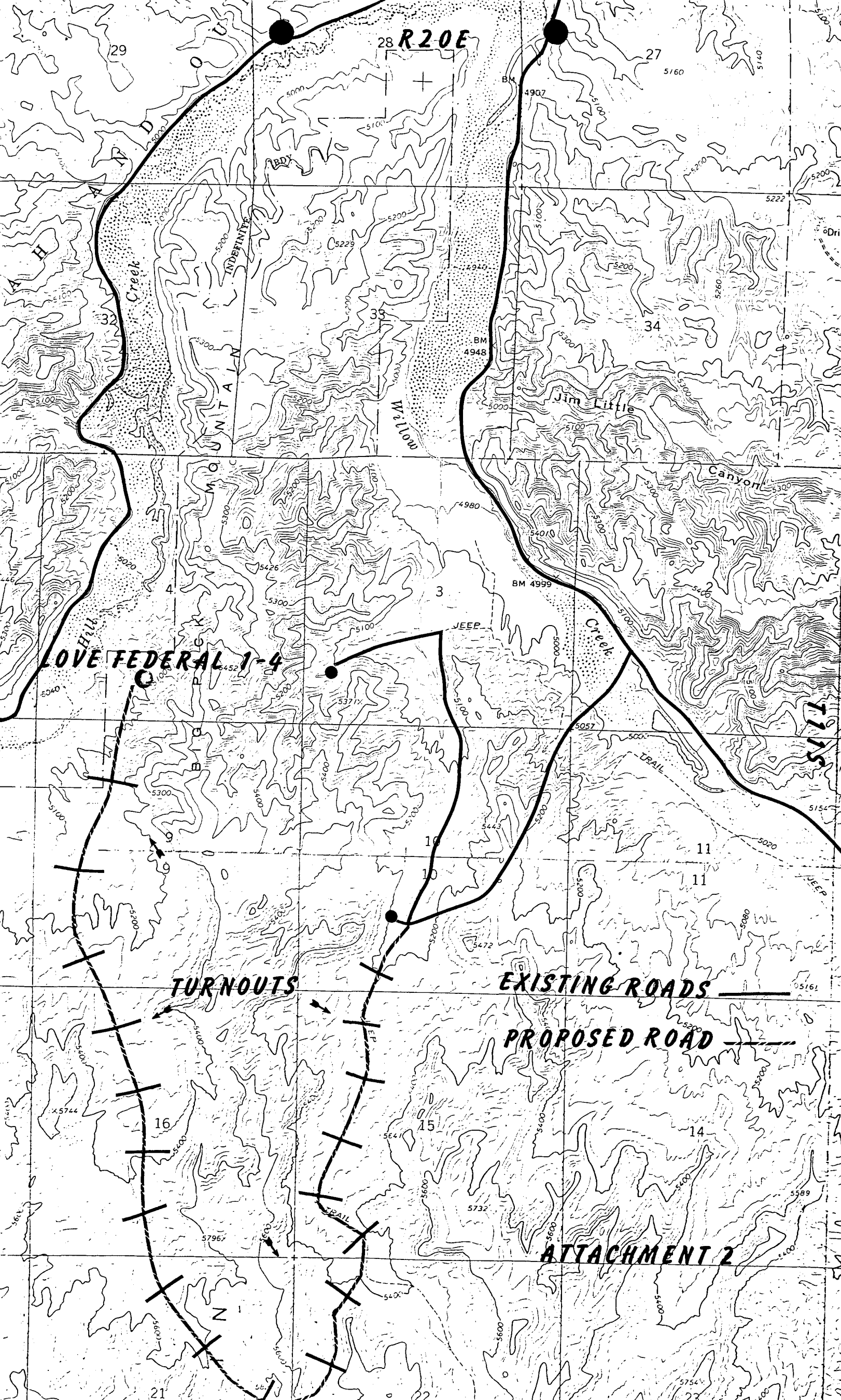


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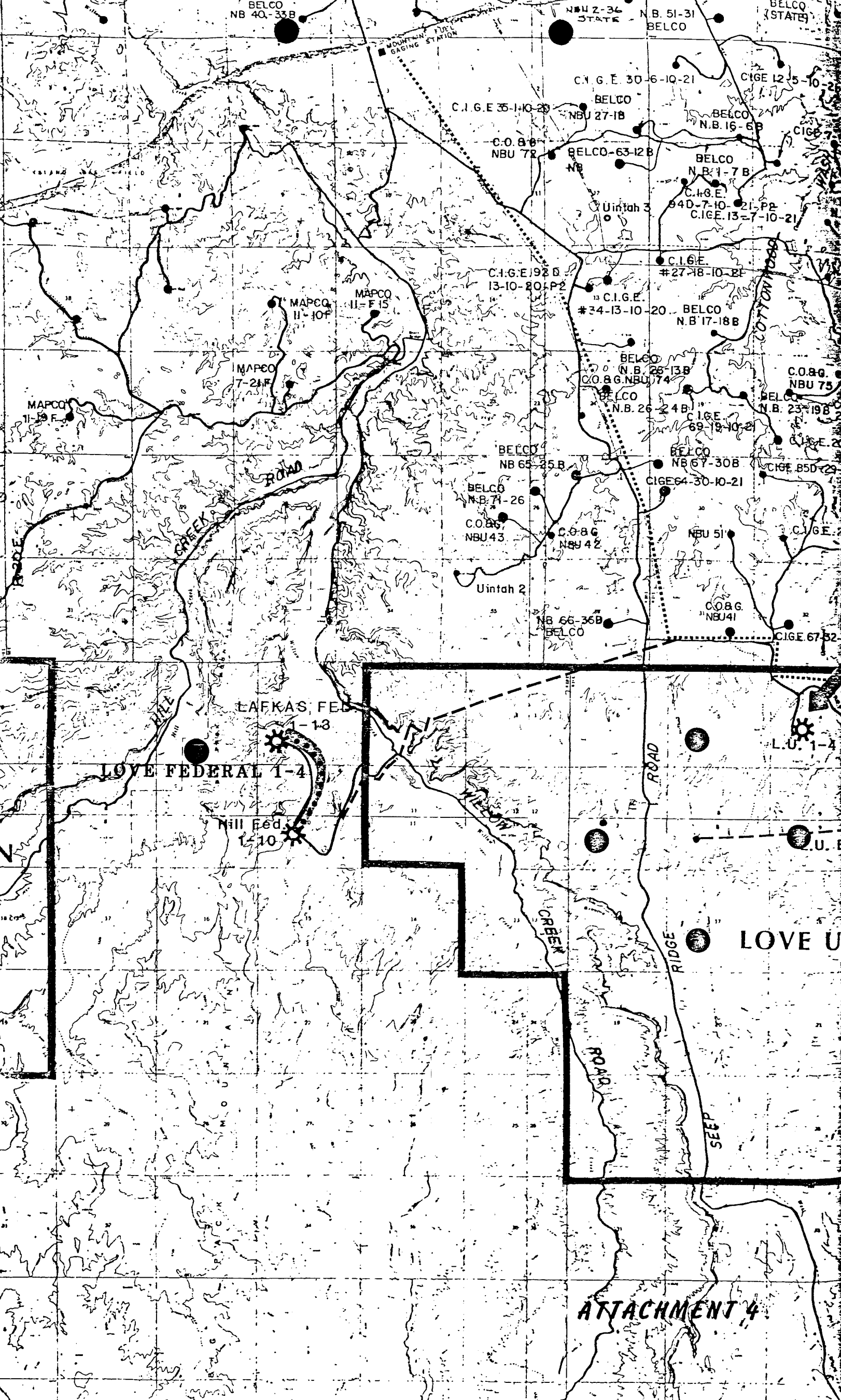
APR 1st 1982

DIVISION OF  
OIL, GAS & MINING









ATTACHMENT 4

April 19, 1982

Cotton Petroleum Corp.  
717 17th Street, STE. #2200  
Energy Center One  
Denver, Colo. 80202

RE: Well No. Love Federal #1-4  
Sec. 4, T. 11S, R. 20E,  
Wintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT  
Office: 533-5771  
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-047-31207.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight  
Director

CBF/db  
CC: Minerals Management Service  
Enclosure



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 1, 1983

Cotton Petroleum Corporation  
750 Ptarmigan Place  
3773 Cherry Creek Drive North  
Denver, Colorado 80209

Re: Well No. Love Federal # 1-4  
Sec. 4, T. 11S, R. 20E.  
Uintah County, Utah  
November 1982- February 1983

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Well Records Specialist

CF/cf  
Enclosure



**Cotton Petroleum Corporation**

A United Energy Resources, Inc. Company

750 Ptarmigan Place/3773 Cherry Creek Drive North/Denver, CO 80209/(303) 355-0101



March 4, 1983

State of Utah  
Oil, Gas, & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Attn: Cari Furse

Re: Popplar #1-9  
Section 9 T13S, R17E  
Carbon County, Utah

Little Desert 1-28  
Section 28 T10S, R18E  
Duchesne Cty, Utah

Love Unit 1-2-11-21  
Section 2 T11S, R21E  
Uintah County, Utah

Love Federal 1-4  
Section 4 T11S, R20E  
Uintah County, Utah

Dear Ms. Furse:

In referenced to your letters of March 1, 1983, regarding the above referenced wells. The Popplar #1-9 will not be drilled in the near future, please return the APD and the road and gas-line Right-of-Way Applications, unapproved, to our office.

There are no plans in the near future to drill the Little Desert 1-28 and the Love Unit 1-2-11-21, therefore, please rescind the Applications.

The Love Federal 1-4 was never drilled, therefore, no Monthly Report of Operations have been sent.

If you have any further questions, please call me.

Sincerely,

COTTON PETROLEUM CORPORATION

*Teri Greenhalgh*

Teri Greenhalgh  
Engineering Tech

MAR 08 1983

DIVISION OF



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 21, 1983

Cotton Petroleum Corporation  
717 17th Street, Suite # 2200  
Denver, Colorado 80202

Re: Well No. Love Federal # 1-4  
660' FSL, 3300' FEL  
SE SW, Sec. 4, T. 11S, R. 20E.  
Uintah County, Utah

Gentlemen:

In reference to the above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Well Records Specialist

CF/cf

3-7

# Cotton Petroleum Corporation

A United Energy Resources, Inc. Company

750 Ptarmigan Place/3773 Cherry Creek Drive North/Denver, CO 80209/(303) 355-0101



September 29, 1983

RECEIVED  
OCT 3 1983

DIVISION OF  
OIL, GAS & MINING

State of Utah  
Oil, Gas, & Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Attn: Cari Furse

Re: Love Federal 1-4  
660' FSL, 3300' FEL  
Section 4, T11S, R20E  
Uintah County, Utah

Dear Cari:

The above referenced well will not be drilled. ✓

If you need any other further information, please contact me.

Sincerely,

COTTON PETROLEUM CORPORATION

*Teri Greenhalgh*

Teri Greenhalgh  
Engineering Technician

tg

L.A.

3100  
U-810

REC'D

JUN 12

DIVISION OF OIL  
GAS & MINING

June 8, 1984

Cotton Petroleum Corporation  
717 - 17th Street, Suite 2200  
Denver, CO 80202

Re: Rescind Application for Permit to Drill  
Well No. Love Federal 1-4  
Section 4, T11S, R20E  
Uintah County, Utah  
Lease U-44090

Gentlemen:

The Application for Permit to Drill the referenced well was approved on November 12, 1982. Since that date, no known activity has transpired at the approved location. Under current District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

*Donald C. Alvord*

Donald C. Alvord  
Associate District Manager

cc: Well File  
State O & G  
SMA

*B.M.H. ma*